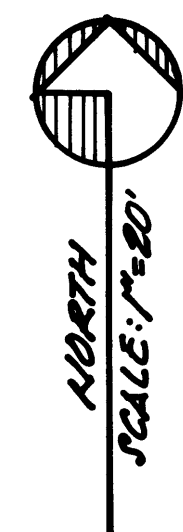


LOCATION MAP



H-15-Z

LEGEND:

TOP OF CURB ELEVATION = $TC=27.21$
 CURB FLOWLINE ELEVATION = $FL=26.71$
 EXISTING SPOT ELEVATION = $SE=26.31$
 EXISTING CONTOUR ELEVATION = $CE=26.5$
 PROPOSED SPOT ELEVATION = $PS=26.50$
 PROPOSED CONTOUR ELEVATION = $PC=26.00$
 PROPOSED OR EXISTING CONCRETE SURFACE = $CS=26.00$

- A → DESIGNATED LANDSCAPED AREA (P).
 B → LIMITS OF ASPHALT REPAVING (MATCH EXISTING ADJACENT PAVING)

GENERAL NOTES:

- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- 1.) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OR SUB-SURFACE UTILITIES.
- 2.) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION(S) OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
- 3.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4.) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

LEGAL DESCRIPTION: PORTION OF PARCEL LETTERED "C-1", BROADBENT BUSINESS PARK SUBDIVISION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

BENCH MARK REFERENCE: ACS STATION "11-H15", AN ALUMINUM DISK LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF MENAUL BLVD. N.E. AND BROADBENT PARKWAY N.E.; M.S.L.D. ELEVATION OF 5012.822, (PROJECT T.B.M. AS SHOWN ON THE PLAN HEREON).

**** NOTE:** PAVING CONTRACTOR FOR THE SUBJECT SITE IS TO DETERMINE THE EXISTING ASPHALT PAVING SECTION (DEPTH AND SPECIFICATIONS) FOR CONCURRENCE WITH PROPERTY OWNER(S) (MANAGERS) FOR REPAVEMENT TO GRADES SHOWN ON THE PLAN HEREON. RECOMMENDATION IS MADE TO REMOVE AND REPLACE LANDSCAPED ISLAND(S) CURBING THAT ARE IN A DETERIORATED OR BROKEN CONDITION.

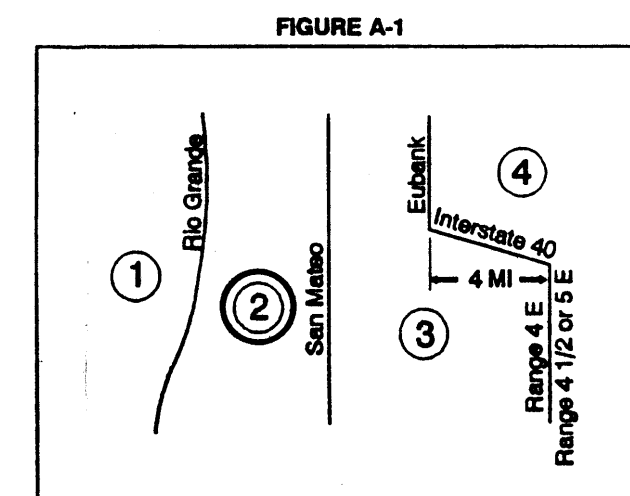
A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

TABLE A-2. PEAK DISCHARGE (cfs/acre)				
Zone	Treatment			
	A	B	C	D
1	1.28 [0.00, 0.24]	2.03 [0.03, 0.78]	2.87 [0.07, 1.49]	4.37 [1.89, 2.89]
2	1.59 [0.00, 0.38]	2.28 [0.08, 0.95]	3.14 [0.00, 1.71]	4.70 [1.86, 3.14]
3	1.87 [0.00, 0.58]	2.60 [0.21, 1.19]	3.45 [0.78, 2.00]	5.02 [2.04, 3.39]
4	2.20 [0.05, 0.87]	2.92 [0.38, 1.45]	3.73 [1.00, 2.28]	5.25 [2.17, 3.67]

TABLE A-10. PEAK INTENSITY (MMR at $t_p = 0.2$ hour)		
Zone	Intensity	
	2-YR	10-YR
1	4.70 [1.84, 3.14]	
2	5.05 [2.04, 3.41]	
3	5.38 [2.21, 3.85]	
4	5.61 [2.34, 3.83]	

TABLE A-1. PRECIPITATION ZONES	
Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40; and East of the East boundary of Range 4 East, South of Interstate 40



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TABLE A-4. LAND TREATMENTS	
Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Unlined arroyos.
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

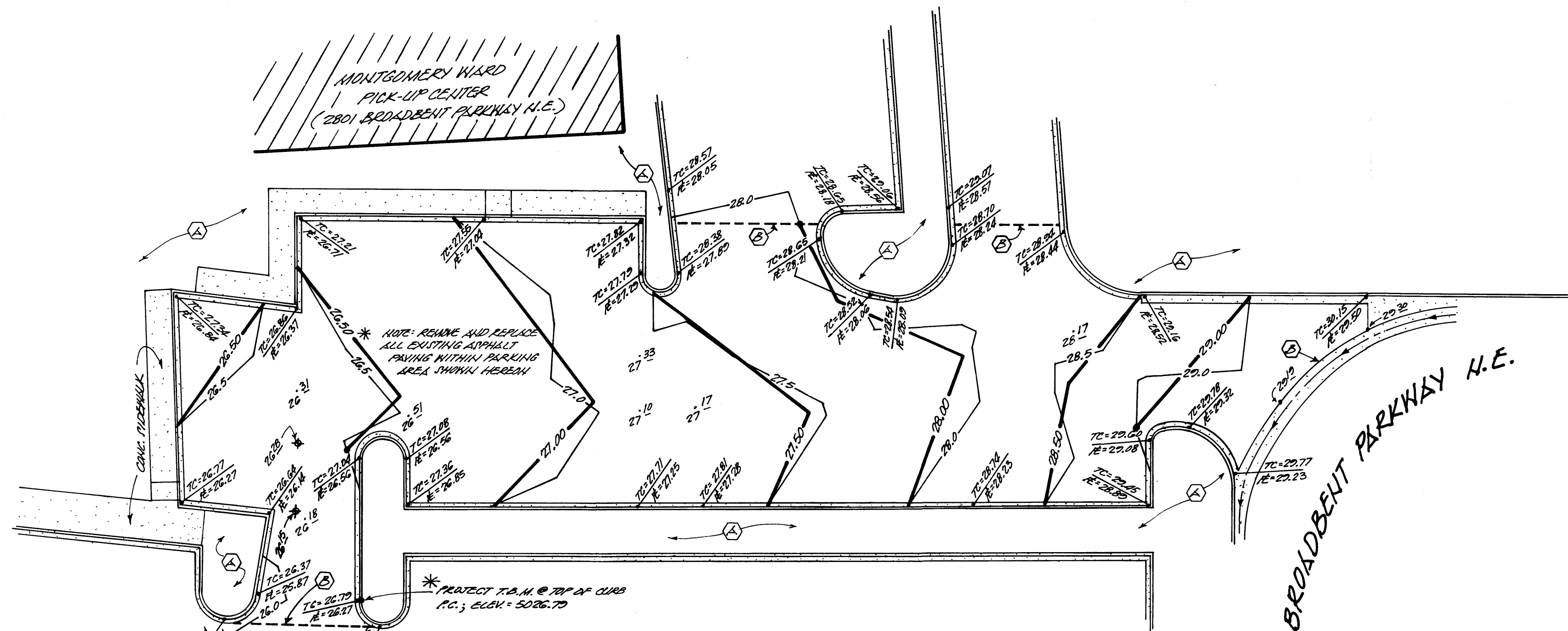
Most watersheds contain a mix of land treatments. To determine proportional treatments, measure respective subareas. In lieu of specific measurement for treatment D, the areal percentages in TABLE A-5 may be employed.

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE WEST SIDE OF INTERSTATE HIGHWAY NO. 25 (I-25) BETWEEN CANDELARIA BOULEVARD N.E. AND MENAUL BOULEVARD N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS NO. "H-15-Z").

THE SUBJECT SITE IS AN EXISTING PAVED PARKING AREA THAT IS LOCATED WITHIN PARCEL LETTERED "C-1" OF THE BROADBENT BUSINESS PARK SUBDIVISION, ALBUQUERQUE, NEW MEXICO; THE SUBJECT SITE IS TO HAVE ALL OF THE EXISTING ASPHALT PAVED SURFACE REMOVED AND REPAVED TO THE GRADES AS SHOWN ON THE PLAN HEREON WHICH ARE VERY CLOSE TO THE EXISTING GRADES OF SAID PARKING AREA.

THERE WILL BE NO INCREASE OF FLOWS GENERATED BY THIS PROPOSED ASPHALT PAVING PLAN COMPARED TO THE EXISTING CONDITIONS FOR SAID SUBJECT SITE. THE EXISTING AND PROPOSED FLOWS GENERATED FROM THIS SUBJECT SITE ARE DIRECTED WESTERLY AND TO AN EXISTING STORM INLET THAT OUTLETS AT THE MENAUL SCHOOL DETENTION POND FACILITY THAT IS OWNED BY THE CITY OF ALBUQUERQUE, (SAID POND FACILITY LIES WEST OF AND ADJACENT TO THE AFOREMENTIONED BROADBENT BUSINESS PARK SUBDIVISION.

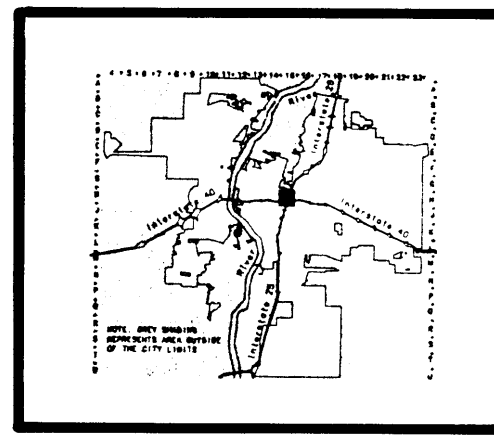
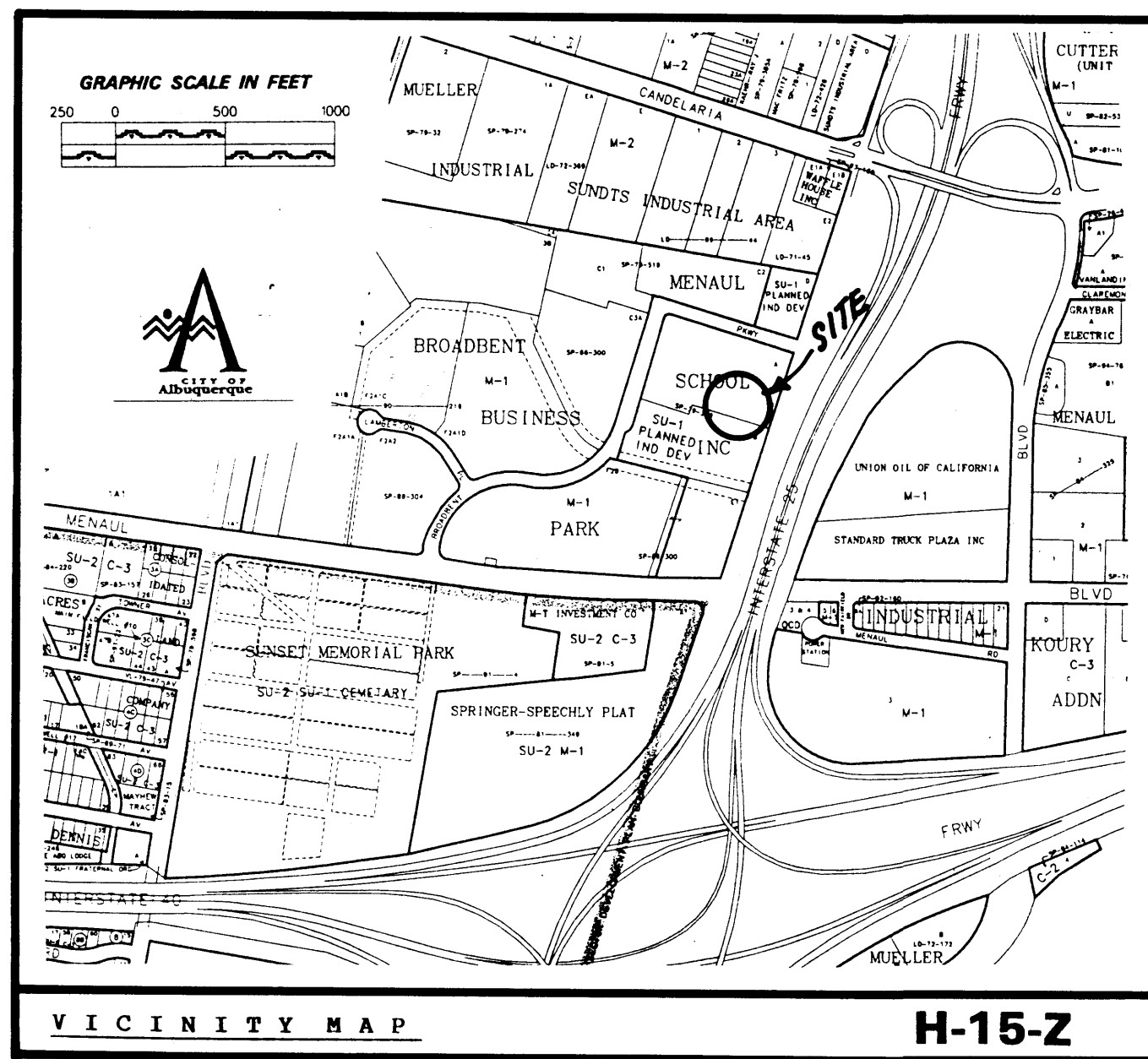


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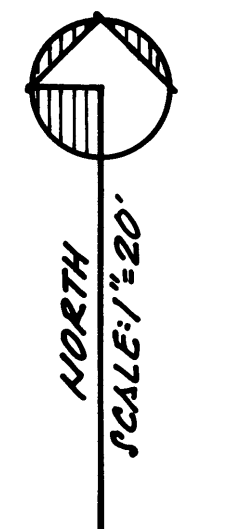


A PROPOSED PAVING PLAN
 FOR PORTION OF
 PARCEL "C-1"
 BROADBENT BUSINESS PARK SUBDIVISION
 ALBUQUERQUE, NEW MEXICO
 MARCH, 1998

A PROPOSED PAVING PLAN
FOR PORTION OF
PARCEL "C-1"
BROADBENT BUSINESS PARK SUBDIVISION
ALBUQUERQUE, NEW MEXICO
MARCH, 1958



LOCATION MAP

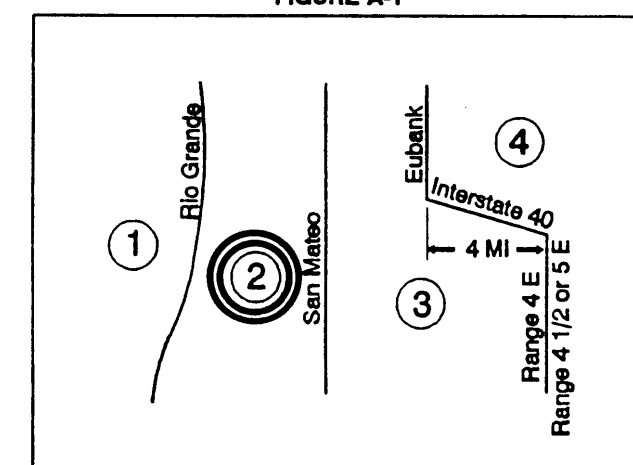


A.1 PRECIPITATION ZONES

Bernalillo County's four precipitation zones are indicated in TABLE A-1 and on FIGURE A-1.

Zone	Location
1	West of the Rio Grande
2	Between the Rio Grande and San Mateo
3	Between San Mateo and Eubank, North of Interstate 40; and between San Mateo and the East boundary of Range 4 East, South of Interstate 40
4	East of Eubank, North of Interstate 40, and East of the East boundary of Range 4 East, South of Interstate 40

FIGURE A-1



Where a watershed extends across a zone boundary, use the zone which contains the largest portion of the watershed.

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Treatment	Land Condition
A	Soil uncompacted by human activity with 0 to 10 percent slopes. Native grasses, weeds and shrubs in typical densities with minimal disturbance to grading, groundcover and infiltration capacity. Croplands. Unlined arroyos.
B	Irrigated lawns, parks and golf courses with 0 to 10 percent slopes. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes greater than 10 percent and less than 20 percent.
C	Soil compacted by human activity. Minimal vegetation. Unpaved parking, roads, trails. Most vacant lots. Gravel or rock on plastic (desert landscaping). Irrigated lawns and parks with slopes greater than 10 percent. Native grasses, weeds and shrubs, and soil uncompacted by human activity with slopes at 20 percent or greater. Native grass, weed and shrub areas with clay or clay loam soils and other soils of very low permeability as classified by SCS Hydrologic Soil Group D.
D	Impervious areas, pavement and roofs.

Most watersheds contain a mix of land treatments. To determine proportional treatments, measure respective subareas. In lieu of specific measurement for treatment D, the areal percentages in TABLE A-5 may be employed.

Zone	TABLE A-9. PEAK DISCHARGE (cfs/acre)			
	A	B	C	D
1	1.29 [0.00, 0.24]	2.03 [0.00, 0.76]	2.87 [0.47, 1.49]	4.37 [1.69, 2.89]
2	1.56 [0.00, 0.38]	2.28 [0.06, 0.95]	3.14 [0.60, 1.71]	4.70 [1.86, 3.14]
3	1.87 [0.00, 0.58]	2.60 [0.21, 1.19]	3.45 [0.78, 2.00]	5.02 [2.04, 3.39]
4	2.20 [0.06, 0.87]	2.92 [0.38, 1.45]	3.73 [1.00, 2.28]	5.25 [2.17, 3.57]

Zone	Intensity
1	4.70 [1.84, 3.14]
2	5.05 [2.04, 3.41]
3	5.38 [2.21, 3.65]
4	5.61 [2.34, 3.83]

LEGEND:

TOP OF CURB ELEVATION = $TC=32.26$
CURB FLOWLINE ELEVATION = $FL=32.85$
EXISTING SPOT ELEVATION = $SE=32.60$
EXISTING CONTOUR ELEVATION = $CE=32.0$
PROPOSED SPOT ELEVATION = $SP=32.50$
PROPOSED CONTOUR ELEVATION = $CP=32.00$
PROPOSED OR EXISTING CONCRETE SURFACE = CS

(A) → DESIGNATED LANDSCAPE AREA(1)

GENERAL NOTES:

- 1.) NO PERIMETER BOUNDARY CORNERS HAVE BEEN FIELD ESTABLISHED PER THIS SURVEY OF THE SUBJECT PROPERTY.
- 2.) NO SEARCH HAS BEEN MADE FOR EASEMENTS OF RECORD OTHER THAN SHOWN HEREON.

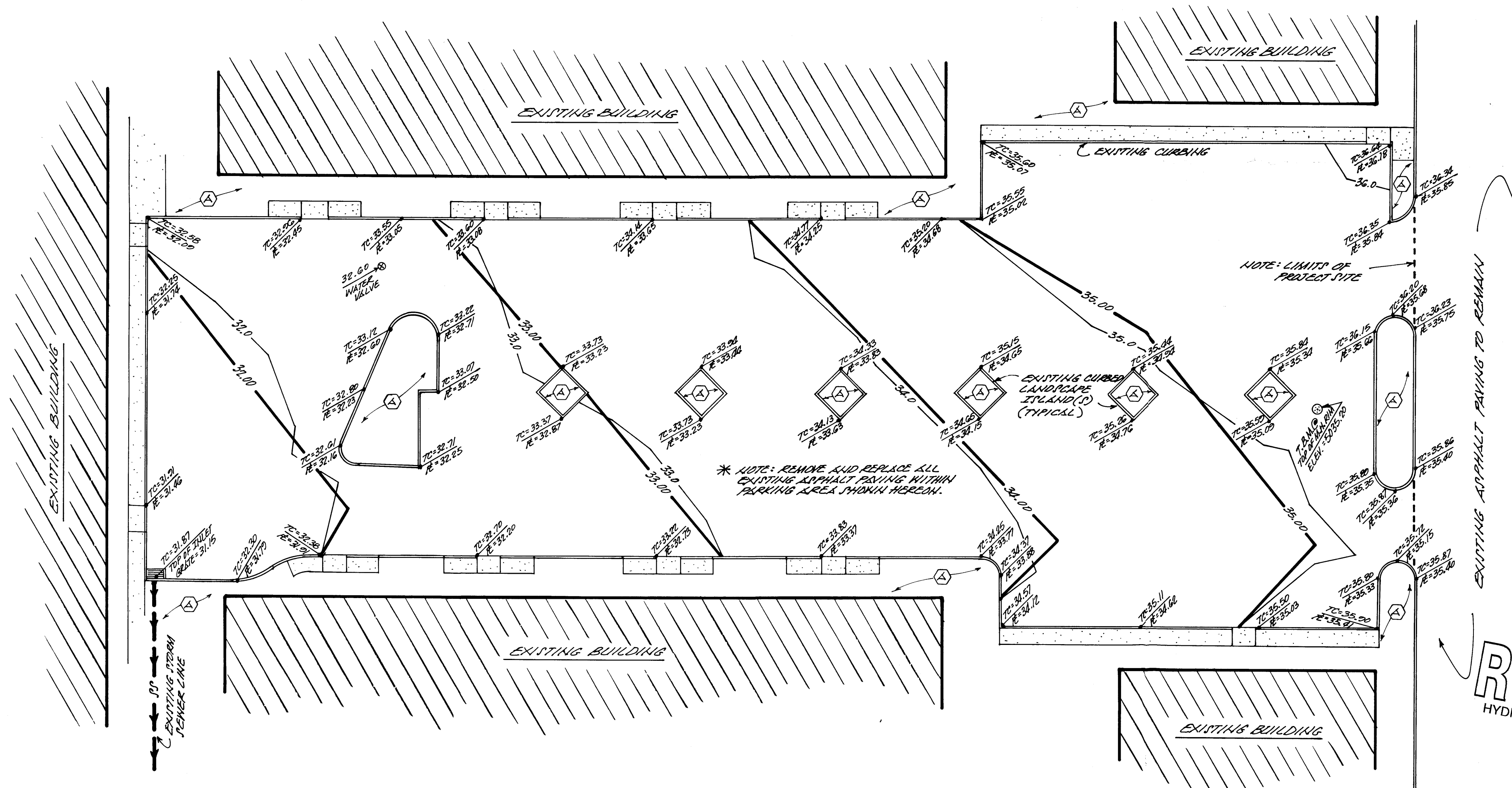
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- 2.) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 3.) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

CONSTRUCTION NOTES:

- 1.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OR SUB-SURFACE UTILITIES.
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- 3.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
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DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS LOCATED ON THE WEST SIDE OF INTERSTATE HIGHWAY NO. 25 (I-25) BETWEEN CANDELARIA BOULEVARD N.E. AND MENAUL BOULEVARD N.E., IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, (CITY ZONE ATLAS NO. "H-15-2").

THE SUBJECT SITE IS AN EXISTING PAVED PARKING AREA THAT IS LOCATED WITHIN PARCEL LETTERED "A" OF THE BROADBENT BUSINESS PARK SUBDIVISION, ALBUQUERQUE, NEW MEXICO; THE SUBJECT SITE IS TO HAVE ALL OF THE EXISTING ASPHALT PAVED SURFACE REMOVED AND REPAVED TO THE GRADES AS SHOWN ON THE PLAN HEREON WHICH ARE VERY CLOSE TO THE EXISTING GRADES OF SAID PARKING AREA.

THERE WILL BE NO INCREASE OF FLOWS GENERATED BY THIS PROPOSED ASPHALT PAVING PLAN COMPARED TO THE EXISTING CONDITIONS FOR SAID SUBJECT SITE. EXISTING AND PROPOSED FLOWS GENERATED FROM SAID SITE ARE DIRECTED TO AN EXISTING STORM INLET LOCATED AT THE SOUTHWEST CORNER OF THE PARKING AREA AND INTO A STORM SEWER LINE THAT OUTLETS AT THE MENAUL SCHOOL DETENTION POND FACILITY THAT IS OWNED BY THE CITY OF ALBUQUERQUE, AND WHICH LIES WEST OF THE AFOREMENTIONED BROADBENT BUSINESS PARK SUBDIVISION.

LEGAL DESCRIPTION: PORTION OF PARCEL LETTERED "A", BROADBENT BUSINESS PARK SUBDIVISION, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

BENCH MARK REFERENCE: ACS STATION "11-H15", AN ALUMINUM DISK LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF MENAUL BLVD. N.E. AND BROADBENT PARKWAY N.E.; M.S.L.D. ELEVATION OF 5012.822, (PROJECT T.B.M. AS SHOWN ON THE PLAN HEREON).

**** NOTE:** FAVING CONTRACTOR FOR THE SUBJECT SITE IS TO DETERMINE THE EXISTING ASPHALT PAVING SECTION (DEPTH AND SPECIFICATIONS) FOR CONCURRENCE WITH PROPERTY OWNER(S) (MANAGERS) FOR REPAVEMENT TO GRADES SHOWN ON THE PLAN HEREON. RECOMMENDATION IS MADE TO REMOVE AND REPLACE LANDSCAPE ISLAND(S) CURBING THAT ARE IN A DETERIORATED OR BROKEN CONDITION.



A PROPOSED PAVING PLAN
FOR PORTION OF
PARCEL "A"
BROADBENT BUSINESS PARK SUBDIVISION
ALBUQUERQUE, NEW MEXICO
MARCH, 1998

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